

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,142,689 B2  
APPLICATION NO. : 09/771983  
DATED : November 28, 2006  
INVENTOR(S) : Junichi Hayashi et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page

Item (54), "APPARATUS" should read --METHOD--.  
Item (56) References Cited, Other Publications,  
After "Lee": "Watermaking" should read --Watermarking--.

Page 2, Other Publications

Line 1, after "Fridrich", "Watermaking" should read --Watermarking--.  
Line 3, "Fridricj" should read --Fridrich--.

Col. 1, line 1, "APPARATUS" should read --METHOD--.

Col. 3, line 45, "is" should read --in--.

Col. 7, line 47, "{" should be deleted.

Col. 17, line 26, "m n" should read --m×n--.

Col. 19, line 21, "bees" should read --been--.

Col. 22, line 21, "and" should read --an--.

Col. 32, line 27, delete "is", second occurrence.

Col. 32, line 29, "is output" should read --output is--.

Col. 47, line 14, "a" should read --σ--.

Col. 49, line 32, "purposed" should read --purposes--.

Col. 58, line 44, "B={b1, b2, bN}," should read --B={b1, b2, . . . bN},--.

Col. 58, line 58, "dl" should read --d1--.

Col. 60, line 65, "a" should read --σ--.

Col. 61, line 16, "dl" should read --d1--.

Col. 61, line 54, "in", second occurrence, should read --In--.

Col. 64, line 46, "a" should read --¶a--.

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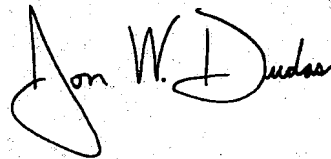
Page 2 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Col. 66, line 1, "perfonns" should read --performs--.

Signed and Sealed this

Fourteenth Day of August, 2007

A handwritten signature in black ink, reading "Jon W. Dudas". The signature is stylized with a large, looping initial "J" and a distinct "D".

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*